

L5 PRN CODE ASSIGNMENTS

For additional information, please refer to IS-GPS-705 at <http://gps.losangeles.af.mil/engineering/icwg/>

PRN Signal Number	XB Code Advance (Chips) ¹		Initial XB Code State (Octal) ²		PRN Allocations	Orbital Slot	Effective Date
	I5	Q5	I5	Q5			
1 – 63	(1)	(1)	(1)	(1)	Reserved (GPS)	N/A	Current
64 – 119	(1)	(1)	(1)	(1)	Unallocated	N/A	Current
120 – 158	-	-	-	-	Reserved (SBAS)	See Below	Updated
159 – 210	-	-	-	-	Reserved (Other GNSS & Other Applications)	See Below	Current

(1) See IS-GPS-705 for information.

Satellite Based Augmentation System (SBAS)

120	2797	6837	15142	15131	Unallocated	-	Current
121	934	1393	14314	02171	Unallocated	-	Current
122	3023	7383	10305	17637	Unallocated	-	Current
123	3632	611	17333	10601	Unallocated	-	Current
124	1330	4920	00144	00743	Unallocated	-	Current
125	4909	5416	15605	07334	Unallocated	-	Current
126	4867	1611	14104	05524	Unallocated	-	Expires 4/09
126	4867	1611	14104	05524	INMARSAT 4F2 (EMEA)	25 E	Active 4/09
127	1183	2474	01515	00527	Reserved (INSAT-NAV)	82 E	Current
128	3990	118	12453	12755	Reserved (INSAT-NAV)	55 E	Current
129	6217	1382	17364	04202	Unallocated	-	Current
130	1224	1092	17754	12737	INMARSAT 4F1	64 E	Expires 3/09
130	1224	1092	17754	12737	INMARSAT 4F1	142.5 E (APAC)	Active 3/09
131	1733	7950	00207	06102	Unallocated	-	Current
132	2319	7223	17602	13032	Unallocated	-	Current
133	3928	1769	03473	10407	Unallocated	-	Expires 10/09
133	3928	1769	03473	10407	INMARSAT 4F3 (AMER)	98 W	Active 10/09
134	2380	4721	15425	11366	Unallocated	-	Current
135	841	1252	05373	10130	LM RPS-1 ³ (WAAS)	133 W	Current

136	5049	5147	01433	00627	Unallocated	-	Current
137	7027	2165	01567	02553	Unallocated	-	Current
138	1197	7897	16360	03414	LM RPS-2 ³ (WAAS)	107.3 W	Current
139	7208	4054	07437	04313	Unallocated	-	Current
140	8000	3498	03560	12517	Unallocated	-	Current
141	152	6571	17110	04105	Unallocated	-	Current
142	6762	2858	01562	00174	Unallocated	-	Current
143	3745	8126	05474	15167	Unallocated	-	Current
144	4723	7017	02275	16761	Unallocated	-	Current
145	5502	1901	15663	16721	Unallocated	-	Current
146	4796	181	03637	01263	Unallocated	-	Current
147	123	1114	11257	07705	Unallocated	-	Current
148	8142	5195	07757	04234	Unallocated	-	Current
149	5091	7479	00441	16023	Unallocated	-	Current
150	7875	4186	16153	06250	Unallocated	-	Current
151	330	3904	17221	00404	Unallocated	-	Current
152	5272	7128	13275	04453	Unallocated	-	Current
153	4912	1396	01560	10217	Unallocated	-	Current
154	374	4513	00274	16502	Unallocated	-	Current
155	2045	5967	04574	16073	Unallocated	-	Current
156	6616	2580	16672	16622	Unallocated	-	Current
157	6321	2575	15653	11110	Unallocated	-	Current
158	7605	7961	15061	03415	Unallocated	-	Current

Other Global Navigation Satellite Systems (GNSS) & Other Applications

159	2570	2598	04424	00756	Unallocated	-	Current
160	2419	4508	16431	04114	Unallocated	-	Current
161	1234	2090	15047	02736	Unallocated	-	Current
162	1922	3685	05567	06332	Unallocated	-	Current
163	4317	7748	02720	15302	Unallocated	-	Current
164	5110	684	00730	14215	Unallocated	-	Current
165	825	913	11673	12731	Unallocated	-	Current
166	958	5558	06437	04112	Unallocated	-	Current
167	1089	2894	07374	07072	Unallocated	-	Current
168	7813	5858	12232	00060	Unallocated	-	Current

169	6058	6432	02326	14574	Unallocated	-	Current
170	7703	3813	07463	01447	Unallocated	-	Current
171	6702	3573	00333	03271	Unallocated	-	Current
172	1714	7523	11232	01034	Unallocated	-	Current
173	6371	5280	15257	14526	Unallocated	-	Current
174	2281	3376	16712	15622	Unallocated	-	Current
175	1986	7424	02366	17771	Unallocated	-	Current
176	6282	2918	03651	06012	Unallocated	-	Current
177	3201	5792	17207	04512	Unallocated	-	Current
178	3760	1747	02224	17644	Unallocated	-	Current
179	1056	7079	04562	14253	Unallocated	-	Current
180	6233	2921	15660	14601	Unallocated	-	Current
181	1150	2490	10773	07732	Unallocated	-	Current
182	2823	4119	05560	07035	Unallocated	-	Current
183	6250	3373	01653	16226	Unallocated	-	Current
184	645	977	17042	03770	Unallocated	-	Current
185	2401	681	05103	02155	Unallocated	-	Current
186	1639	4273	03574	01463	Unallocated	-	Current
187	2946	5419	13272	04733	Unallocated	-	Current
188	7091	5626	00123	06705	Unallocated	-	Current
189	923	1266	02375	15343	Unallocated	-	Current
190	7045	5804	17430	11661	Unallocated	-	Current
191	6493	2414	15554	01466	Unallocated	-	Current
192	1706	6444	15226	15527	Unallocated	-	Current
193	5836	4757	06056	11607	QZS1	A1 ⁴	Current
194	926	427	06237	06472	Reserved (QZSS)	TBD	Current
195	6086	5452	10714	06146	Reserved (QZSS)	TBD	Current
196	950	5182	17561	00414	Reserved (QZSS)	TBD	Current
197	5905	6606	03741	05055	Reserved (QZSS)	TBD	Current
198	3240	6531	00161	10127	Reserved (QZSS)	TBD	Current
199	6675	4268	12644	03161	Reserved (QZSS)	TBD	Current
200	3197	3115	04166	04346	Reserved (QZSS)	TBD	Current
201	1555	6835	07643	04545	Reserved (QZSS)	TBD	Current
202	3589	862	01713	16127	Reserved (QZSS)	TBD	Current
203	4555	4856	12433	12664	Unallocated	-	Current
204	5671	2765	11563	17550	Unallocated	-	Current

205	6948	37	02701	10164	Unallocated	-	Current
206	4664	1943	15417	10254	Unallocated	-	Current
207	2086	7977	16751	14115	Unallocated	-	Current
208	5950	2512	06655	17703	Unallocated	-	Current
209	5521	4451	07662	01363	Unallocated	-	Current
210	1515	4071	10567	11041	Unallocated	-	Current

- 1) XB Code Advance is the number of XB clock cycles beyond an initial state of all 1s.
 2) In the Octal notation for the first 13 chips of the I5 and Q5 XB codes as shown in these columns, the rightmost bit is the first bit out. Since the initial state of the XA Code is all 1s, these first 13 chips are also the complement of the initial states of the I5 or Q5-codes. In the Octal notation for the first 13 chips, the first digit (1/0) represents the first chip and the last four digits are the conventional Octal representation of the remaining 12 chips.
 3) This code is assigned on a temporary basis.
 4) A1 => RAAN = 0, Argument of Perigee = 270, Mean Anomaly = 324, at Epoch 31Dec 07 00:00:00